PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME BP PRODUCTS NORTH AMERICA INC.
ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394
FACILITY BP PRODUCTS NORTH AMERICA INC.
LOCATION WHITING
ATTN: ASHOK K. JHAWAR, PLANT MGR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

IN0000108	[redacted]
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	09	01	TO	02	09	30

MAJOR
F - FINAL
EFFLUENT

Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

IN0000108003A0902

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE [X] ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUANTITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	********	********		No Discharge	********	NO Discharge	(12)	0	*	*
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	6 MINIMUM	********	9 MAXIMUM	SU		WEEKLY	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	********	********		********	No Discharge	No Discharge	(19)	0	*	*
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	15.0 DAILY MX	MG/L		WEEKLY	GRAB
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	********	********		********	No Discharge	No Discharge	(19)	0	*	*
00680 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	110 DAILY MX	MG/L		WEEKLY	GRAB
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTVE OFFICER

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowlege and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

Ashok K. Jhawar

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 219 473-3179 (AREA CODE, NUMBER)

DATE: 2002 10 28 (YEAR MO DAY)

COMMENTS AND EXPLANATION OF ANY VIOLATION *(Reference all attachments here)*

* Required to sample on 1st discharge of week. Outfall 003 was closed the entire month of September.

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

INDUSTRIAL MAJOR, LAKE COUNTY

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME BP PRODUCTS NORTH AMERICA INC.
ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394
FACILITY BP PRODUCTS NORTH AMERICA INC.
LOCATION WHITING
ATTN: ASHOK K. JHAWAR, PLANT MGR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

MAJOR
F - FINAL
EFFLUENT

Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

PERMIT NUMBER	DISCHARGE NUMBER
IN0000108	[redacted]

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	09	01	TO	02	09	30

IN0000108002A0902

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE ☐ ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	********	********		********	3	3	(19)	0	5 TIME /WEEK	GRAB
00680 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIMES/WEEK	GRAB
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	********	********		********	0	1	(19)	0	5 TIME /WEEK	GRAB
00680 [redacted] 0 0 EFFLUENT [redacted] VALUE	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	5.0 DAILY MX	MG/L		5 TIMES/WEEK	GRAB
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	********	********		********	2	3	(19)	0	5 TIME /WEEK	GRAB
00680 [redacted] 0 0 INTAKE FROM STREAM	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIMES/WEEK	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	91.1	96.6	(03)	********	********	********		0	DAILY	CONTIN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	********	********	********	********		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	********	********		********	<0.04	<0.04	(19)	0	1X /WEEK	GRAB
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	0.05 DAILY MX	MG/L		WEEKLY	GRAB
FLOW, TOTAL	SAMPLE MEASUREMENT	********	2732.3	(3R)	********	********	********		0	ONCE/ MONTH	RCTOT
82220 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	REPORT MO TOTAL	MGAL	********	********	********	********		ONCE/ MONTH	RCOTOT
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTVE OFFICER

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

TYPED OR PRINTED

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Ashok K. Jhawa

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	2002	10	28
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATION *(Reference all attachments here)*

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

INDUSTRIAL MAJOR, LAKE COUNTY

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME BP PRODUCTS NORTH AMERICA INC.
ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394
FACILITY BP PRODUCTS NORTH AMERICA INC.
LOCATION WHITING
ATTN: ASHOK K. JHAWAR, PLANT MGR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

MAJOR
F - FINAL
EFFLUENT

Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

PERMIT NUMBER	DISCHARGE NUMBER
IN0000108	001A

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	09	01	TO	02	09	30

I N 0 0 0 0 1 0 8 0 0 1 A 0 9 0 2

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE ☐ ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	∠0.8	∠0.9	(26)	********	∠0.005	∠0.005	(19)	0	1X /WEEK	COMP 24
01032 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	2.01 MO AVG	4.48 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		WEEKLY	COMP24
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	∠1.6	∠1.7	(26)	********	∠0.01	∠0.01	(19)	0	1X /WEEK	COMP 24
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	23.9 MO AVG	68.53 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		WEEKLY	COMP24
SELENIUM, TOTAL (AS SE)	SAMPLE MEASUREMENT	********	2.3	(26)	********	********	15.4	(28)	0	THREE/ WEEK	COMP 24
01147 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******** MO AVG	REPORT DAILY MX	LBS/DY	********	******** MO AVG	REPORT DAILY MX	UG/L		SEMI-ANNUAL	COMP24
PHENOLICS, TOTAL RECOVERABLE	SAMPLE MEASUREMENT	∠1.79	4.90	(26)	********	∠0.01	0.03	(19)	0	THREE/ WEEK	COMP 24
32730 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	20.33 MO AVG	73.01 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		THREE/ WEEK	COMP24
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	18.2	21.9	(03)	********	********	********		0	DAILY	CONTIN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	********	********	********	********		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	********	********		********	*****	*****	(19)	0	*NA	*NA
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	0.05 DAILY MX	MG/L		5 TIMES/WEEK	GRAB
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	********	********		********	*****	*****	(13)	0	**NA	**NA
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	********	200 MO AVG	400 DAILY MX	#/ 100ML		5 TIMES/WEEK	GRAB

NAME/TITLE PRINCIPAL EXECUTVE OFFICER

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

TYPED OR PRINTED

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Ashok K. Jhawar

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	2002	10	28
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATION *(Reference all attachments here)*

*Chlorine testing required only when chlorinating this stream.
**Fecal coliform testing required only when refinery sanitary sewers are discharging to the WWTP.

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

INDUSTRIAL MAJOR, LAKE COUNTY

ERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
AME BP PRODUCTS NORTH AMERICA INC.
DDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394
ACILITY BP PRODUCTS NORTH AMERICA INC.
OCATION WHITING
TTN: ASHOK K. JHAWAR, PLANT MGR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

MAJOR
F - FINAL
EFFLUENT

Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

IN0000108001A0902

IN0000108	001A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	09	01	TO	02	09	30

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE ☐ ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
OD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	375	1021	(26)	********	2.4	6.0	(19)	0	5 TIME /WEEK	COMP
0310 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	4161 MO AVG	8164 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIMES/WEEK	COMP24
XYGEN DEMAND, CHEM. LOW LEVEL) (COD)	SAMPLE MEASUREMENT	9405	16238	(26)	********	63	117	(19)	0	THREE/ WEEK	COMP 24
0335 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30323 MO AVG	58427 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		THREE/WEEK	COMP24
H	SAMPLE MEASUREMENT	********	********		7.4	********	8.0	(12)	0	THREE/ WEEK	GRAB
0400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	6.5 MINIMUM	********	9 MAXIMUM	SU		THREE/WEEK	GRAB
OLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	1346	2042	(26)	********	8.8	12.8	(19)	0	5 TIME /WEEK	COMP 24
0530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	3646 MO AVG	5694 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIMES/WEEK	COMP24
IL & GREASE (FREON EXTR.- R METH)TOT,RC	SAMPLE MEASUREMENT	319	1140	(26)	********	2.1	6.7	(19)	0	WEEK- DAYS	GRAB
0560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1368 MO AVG	2600 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		WEEK- DAYS	GRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	<31	183	(26)	********	< 0.20	1.50	(19)	0	5 TIME /WEEK	COMP 24
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1030 MO AVG	2060 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIMES/WEEK	COMP24
SULFIDE, TOTAL (AS S)	SAMPLE MEASUREMENT	3.7	6.5	(26)	********	0.02	0.04	(19)	0	1X /WEEK	COMP 24
00745 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	23.1 MO AVG	51.4 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		WEEKLY	COMP24

NAME/TITLE PRINCIPAL EXECUTVE OFFICER

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

TYPED OR PRINTED

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Ashok K. Jhawar

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	2002	10	28
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATION *(Reference all attachments here)*

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

bp

Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

BP Products North America Inc.
2815 Indianapolis Boulevard
Whiting, IN 46394-0710
USA

DEC 5 11 00 AM '02

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

November 26, 2002

Indiana Department of Environmental Management
OWQ Data Management Section
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

Direct 219 473 3179
Fax 219 473 3504
Mobile 219 712 0223
jhawarak@bp.com

NPDES Permit No. 0000108, Serials 001, 002, 003, and 004

Effluent quality data and Discharge Monitoring Report forms from the BP Products North America Inc. - Whiting Business Unit for the month of October, 2002, are attached. Effluent quality from the wastewater treatment plant for the month was excellent. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need any additional information, please contact R. A. Harris at (219) 473-3321.

Sincerely,

Ashok K. Jhawar

Ashok K. Jhawar
Business Unit Leader

Attachments

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO. IN0000108 Oct-02 OCT STORM WATER RUNOFF

- - - -OUTFALL 004- - - -

*** NOTE: TO BE SAMPLED AFTER EACH RAIN EVENT IF DISCHARGE OCCURS - ONCE PER WEEK

PARAMETER		pH	OIL	TOC	
CODE:		C00400	C00550	C00680	
LIMITS:	MAX.	6-9	15	110	
DATA			mg/l	mg/l	
	1	--------	--------	--------	closed
	2	--------	--------	--------	closed
	3	--------	--------	--------	closed
	4	--------	--------	--------	closed
	5	--------	--------	--------	closed
	6	--------	--------	--------	closed
	7	--------	--------	--------	closed
	8	--------	--------	--------	closed
	9	--------	--------	--------	closed
	10	--------	--------	--------	closed
	11	--------	--------	--------	closed
	12	--------	--------	--------	closed
	13	--------	--------	--------	closed
	14	--------	--------	--------	closed
	15	--------	--------	--------	closed
	16	--------	--------	--------	closed
	17	--------	--------	--------	closed
	18	--------	--------	--------	closed
	19	--------	--------	--------	closed
	20	--------	--------	--------	closed
	21	--------	--------	--------	closed
	22	--------	--------	--------	closed
	23	--------	--------	--------	closed
	24	--------	--------	--------	closed
	25	--------	--------	--------	closed
	26	--------	--------	--------	closed
	27	--------	--------	--------	closed
	28	--------	--------	--------	closed
	29	--------	--------	--------	closed
	30	--------	--------	--------	closed
	31	--------	--------	--------	closed
AVERAGE		0.0	0.0	0	
HIGHEST VAL.		0.0	0.0	0	
LOWEST VAL.		0.0	0.0	0	
OVER LIMIT		0	0	0	

CERTIFIED OPERATOR : David J. Olen NO.14118 exp. 6/30/04 DATE : ENVIRONMENTAL ENGINEER : 11-25-0

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO. IN0000108 Oct-02 OCT STORM WATER RUNOFF

----OUTFALL 003----

*** NOTE: TO BE SAMPLED AFTER EACH RAIN EVENT IF DISCHARGE OCCURS - ONCE PER WEEK

PARAMETER		pH	OIL	TOC	
CODE:		C00400	C00550	C00680	
LIMITS:	MAX.	6-9	15	110	
DATA			mg/l	mg/l	
	1	--------	--------	--------	closed
	2	--------	--------	--------	closed
	3	--------	--------	--------	closed
	4	--------	--------	--------	closed
	5	--------	--------	--------	closed
	6	--------	--------	--------	closed
	7	--------	--------	--------	closed
	8	--------	--------	--------	closed
	9	--------	--------	--------	closed
	10	--------	--------	--------	closed
	11	--------	--------	--------	closed
	12	--------	--------	--------	closed
	13	--------	--------	--------	closed
	14	--------	--------	--------	closed
	15	--------	--------	--------	closed
	16	--------	--------	--------	closed
	17	--------	--------	--------	closed
	18	--------	--------	--------	closed
	19	--------	--------	--------	closed
	20	--------	--------	--------	closed
	21	--------	--------	--------	closed
	22	--------	--------	--------	closed
	23	--------	--------	--------	closed
	24	--------	--------	--------	closed
	25	--------	--------	--------	closed
	26	--------	--------	--------	closed
	27	--------	--------	--------	closed
	28	--------	--------	--------	closed
	29	--------	--------	--------	closed
	30	--------	--------	--------	closed
	31	--------	--------	--------	closed
AVERAGE		0.0	0.0	0	
HIGHEST VAL.		0.0	0.0	0	
LOWEST VAL.		0.0	0.0	0	
OVER LIMIT		0	0	0	

CERTIFIED OPERATOR : David J. Olen NO. 14118 exp. 6/30/04 DATE : ENVIRONMENTAL ENGINEER :

DEC 5 11 03 AM '02

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO IN0000108 OUTFALL 002 Oct-02 OCT COOLING WATER EFFLUENT

PARAMETER	FLOW	IN-TEMP	OUT-TEMP	HEAT	pH	IN-OIL	OUT-OIL	DELTA OIL	IN-TOC	OUT-TOC	DELTA-TOC	RESID-CL
CODE	Q50050		C00010	C99003	C00400		C00550		C99680	C00680		
SAMPLE TYPE												
PERMIT	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
ACTUAL	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
FREQUENCY												
PERMIT	CONT	5/7	5/7	5/7	3/7	3/7	3/7	3/7	5/7	5/7	5/7	1/7
ACTUAL	CONT	CONT	CONT	CONT	3/7	3/7	3/7	5/7	5/7	5/7	5/7	1/7
LIMITS: AVG.				1.70								
MAX.				2.00	7-9			5			5	.05
DATE	MG/D	DEG C	DEG C	GBTU/HR	pH	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
1	91.4	24	35	0.628	--------	--------	--------	--------	3	3	0	--------
2	91.1	24	35	0.626	8.3	<0.3	<0.3	<0.3	2	3	1	<0.04
3	90.3	25	36	0.621	--------	--------	--------	--------	2	3	0	--------
4	91.2	24	35	0.627	8.3	<0.3	<0.3	<0.3	2	3	1	--------
5	91.5	23	34	0.629	--------	--------	--------	--------	--------	--------	--------	--------
6	91.6	23	35	0.687	--------	--------	--------	--------	--------	--------	--------	--------
7	91.4	23	34	0.628	8.2	<0.3	<0.3	<0.3	3	3	0	--------
8	89.7	22	34	0.672	--------	--------	--------	--------	2	3	1	--------
9	89.4	22	33	0.614	8.2	<0.3	<0.3	<0.3	2	3	0	<0.04
10	89.4	21	32	0.614	--------	--------	--------	--------	2	3	0	--------
11	79.7	21	32	0.548	8.3	<0.3	0.3	0.3	2	3	1	--------
12	95.6	22	33	0.657	--------	--------	--------	--------	--------	--------	--------	--------
13	96.0	22	33	0.660	--------	--------	--------	--------	--------	--------	--------	--------
14	96.7	21	33	0.725	8.3	<0.3	<0.3	<0.3	2	3	0	--------
15	94.3	20	32	0.707	--------	--------	--------	--------	2	3	0	--------
16	93.3	19	31	0.699	8.3	<0.3	<0.3	<0.3	2	3	0	<0.04
17	93.7	18	31	0.761	--------	--------	--------	--------	2	3	0	--------
18	95.2	18	30	0.714	8.1	<0.3	<0.3	<0.3	3	3	0	--------
19	94.9	18	30	0.711	--------	--------	--------	--------	--------	--------	--------	--------
20	95.7	17	30	0.777	--------	--------	--------	--------	--------	--------	--------	--------
21	95.6	17	29	0.717	8.2	<0.3	<0.3	<0.3	2	2	0	--------
22	94.4	17	29	0.708	--------	--------	--------	--------	2	2	0	--------
23	93.9	16	29	0.763	8.2	<0.3	<0.3	<0.3	2	3	1	<0.04
24	94.0	15	29	0.822	--------	--------	--------	--------	2	3	1	--------
25	94.4	15	29	0.826	8.1	<0.3	<0.3	<0.3	3	3	1	--------
26	93.2	15	29	0.815	--------	--------	--------	--------	--------	--------	--------	--------
27	92.5	15	29	0.809	--------	--------	--------	--------	--------	--------	--------	--------
28	92.9	14	32	1.045	8.1	<0.3	<0.3	<0.3	2	3	0	--------
29	91.7	13	31	1.031	--------	--------	--------	--------	2	3	0	--------
30	91.0	13	31	1.023	8.2	<0.3	<0.3	<0.3	2	3	0	<0.04
31	92.0	13	31	1.035	--------	--------	--------	--------	2	3	0	--------
AVERAGE	92.5	20	32	0.739	8.2	<0.3	<0.3	<0.3	2	3	0	<0.04
HIGHEST VAL	96.7	25	36	1.045	8.3	<0.3	0.3	0.3	3	3	1	<0.04
LOWEST VAL.	79.7	13	29	0.548	8.1	<0.3	<0.3	<0.3	2	2	0	<0.04
OVER LIMIT	0			0	0			0			0	0
TOTAL	2867.7											

CERTIFIED OPERATOR : David J. Olen NO. 14118 exp. 6/30/04 DATE: ENVIRONMENTAL ENGINEER : 11-25-02

--MEANS NOT TESTED THIS DATE